

0030.



Canyon Fuel
Company, LLC.
Sufco Mine

A Subsidiary of Arch Western Bituminous Group, LLC.

C/041/002 Incoming
or #3040

Ken May, General Manager
397 South 800 West
Salina, UT 84654
(435) 286-4400 - Office
(435) 286-4499- Fax

August 20, 2008

Permit Supervisor
Utah Coal Regulatory Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Construction of Tipple Sump Amendment, Canyon Fuel Company, LLC, SUFCO Mine
C/041/002

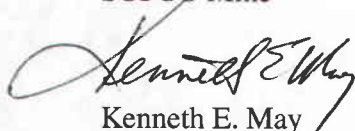
Dear Permit Supervisor:

The enclosed eight complete clean copies of the Tipple Sump Amendment are being submitted for approval to replace the existing sump with a new larger concrete sediment sump at the tipple crusher building. Attached are DOGM forms C-1 and C-2 and appropriate pages.

This new replacement concrete tipple sump will not affect any new disturbance to the permitted area or any change in runoff, vegetation, and topsoil. MRP Table 5-4 "Description of Existing Structures" page 5-45 has been updated and is enclosed. New bond calculation sheets and updated surface facility maps (Plates 5-2A and 5-2B) are enclosed. This new construction increased the concrete demolition from 93 CY to 128.5 CY on the Tipple Building demolition bond calculation sheet (Page 50). The additional bond cost estimate requirements for the proposed new tipple sump construction is well within the present Sufco posted bond.

Sufco needs approval of this amendment as soon as possible to start construction in September. If you have any questions or need additional information, please contact Mike Davis at (435) 286-4421.

Sincerely,
CANYON FUEL COMPANY, LLC
SUFCO Mine


Kenneth E. May
General Manager

Encl.

KEM/MLD:kb

cc: DOGM Price Field Office
DOGM Correspondence File

sufpub\govt2008\dogmmp\MRP Tipple Sump.ltr.doc

File in:
C/041/002 2008 Incoming
Refer to:
☐ Confidential
☐ Shelf
☒ Expandable
Date 8/20/08 For additional information

RECEIVED
AUG 28 2008
DIV. OF OIL, GAS & MINING

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: CANYON FUEL COMPANY, LLC

Mine: SUFACO MINE

Permit Number: C/041/002

Title: Tipple Sump

Description, Include reason for application and timing required to implement:

Help clean up discharge water going into Sediment Pond. Sufco would like to construct this in September.

Instructions: If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- ☐ Yes ☒ No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ ☐ increase ☐ decrease.
- ☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# _____
- ☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- ☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
- ☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- ☐ Yes ☒ No 6. Does the application require or include public notice publication?
- ☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- ☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- ☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # _____
- ☐ Yes ☒ No 10. Is the application submitted as a result of other laws or regulations or policies?
Explain: _____
- ☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
- ☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- ☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
- ☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- ☐ Yes ☒ No 15. Does the application require or include soil removal, storage or placement?
- ☐ Yes ☒ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- ☒ Yes ☐ No 17. Does the application require or include construction, modification, or removal of surface facilities?
- ☒ Yes ☐ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- ☒ Yes ☐ No 19. Does the application require or include certified designs, maps or calculation?
- ☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
- ☒ Yes ☐ No 21. Have reclamation costs for bonding been provided?
- ☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- ☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

KENNETH E. MAY, MINE MANAGER

Print Name

[Signature] 8/22/08
Sign Name, Position, Date

Subscribed and sworn to before me this 22nd day of August, 2008

[Signature]
Notary Public

My commission Expires: _____, 20____ }
Attest: State of _____ } ss:
County of _____



NOTARY PUBLIC
JILL WHITE
70 W 300 S
Gunnison, UT 84634
My Commission Expires
March 28, 2012
STATE OF UTAH

For Office Use Only:

Assigned Tracking
Number:

Received by Oil, Gas & Mining

RECEIVED

AUG 28 2008

DIV. OF OIL, GAS & MINING

TABLE 5-4 (Continued)

Description of Existing Structures

Structure	Construction Date	Construction Materials
ROM MCC Building	Winter 1988	Concrete Block
Sampler Building	Fall 2003	Structural Steel
Sand & Salt Storage	Fall 1982	Concrete
Seal Portals		Concrete
Sediment Trap	Summer 1979	Concrete
Septic Tanks	Summer 1976 / Summer 2006	Steel / Concrete
Shelves	Summer 1990	Steel
Shop Garage	Summer 1989	Pre-Engineered Steel
Shop Office	Summer 1977	Wood
Side Release Tank	Fall 1997	Steel
Steam Cleaner Building	Fall 1981	Concrete
Stoker Belt	Fall 1977	Structural Steel
Stoker Bin	Fall 1977	Structural Steel
Stoker Coal Storage	Fall 1982	Concrete
Stoker Oil Tanks	Fall 1977 / Fall 2004	Steel & Concrete
Storage Trailers	1975	Wood & Aluminum
Substation - Lower	Fall 1991 / Fall 2006 -2007	Steel /Concrete / Binwall
Ticket Printers	Summer 1996	Steel
Tipple Building	Fall 1977 / Fall 2008	Structural Steel & Concrete
Tipple MCC Building	Summer 2005	Concrete Block
Tipple Office Building	Fall 1977	Concrete Block

Bonding Calculations

Direct Costs

Subtotal Demolition and Removal	\$1,049,517.00
Subtotal Backfilling and Grading	\$527,469.00
Subtotal Revegetation	\$167,934.00
Direct Costs	\$1,744,920.00

Indirect Costs

Mob/Demob	\$174,492.00	10.0%
Contingency	\$87,246.00	5.0%
Engineering Redesign	\$43,623.00	2.5%
Main Office Expense	\$118,655.00	6.8%
Project Mainagement Fee	\$43,623.00	2.5%
Subtotal Indirect Costs	\$467,639.00	26.8%

Total Cost	\$2,212,559.00
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Escalation factor	0.0444
Number of years	4
Escalation	\$419,904.00

Reclamation Cost Escalated	\$2,632,463.00
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Bond Amount (rounded to nearest \$1,000) 2009 Dollars	\$2,632,000.00
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Posted Bond	\$4,439,000.00
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Difference Between Cost Estimate and Bond Percent Difference	\$1,807,000.00 40.71%
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Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Ambulance Garage																			\$2,504.00
	Bait Deicer Tank																			\$13.00
	Blast Channels A																			\$143,211.00
	Blast Channels B																			\$53,438.00
	Bulk and Used Oil Storage																			\$1,518.00
	Cap Magazine																			\$22.00
	Chlorinator Bld																			\$18.00
	Covered Storage																			\$17,189.00
	Diesel Tank																			\$995.00
	Drainage Culverts																			\$13,043.00
	Electrical Bld																			\$602.00
	Fan																			\$7,781.00
	Fire Water Tank 300000 Gall																			\$11,126.00
	Fuel Dock																			\$928.00
	Guard House																			\$349.00
	Loadout Belt																			\$2,593.00
	Lower Stacker Coal Storage																			\$2,149.00
	Lump Coal Storage																			\$711.00
	No 1 Belt																			
	Office Building																			\$87,377.00
	Pavement Removal																			\$28,153.00
	Powder Magazine																			\$22.00
	Pulley Racks																			\$972.00
	Pump Houses																			\$3,040.00
	Riprap Filter Fabric																			\$259,568.00
	Rock Dust Bin																			\$3,557.00
	ROM Coal Storage																			\$1,022.00
	ROM MCC Bld																			\$21,139.00
	Sampler Building																			\$891.00
	Sand and Salt Storage																			\$1,516.00
	Seal Portals																			\$46,800.00
	Sediment Trap																			\$1,533.00
	Septic Tanks																			\$0.00
	Shelves																			\$90,022.00
	Shop and Warehouse																			\$11,941.00
	Shop Garage																			\$2,322.00
	Shop Office																			\$3,763.00
	Side Release Tank																			\$161.00
	Steam Cleaner Building																			\$7,713.00
	Stoker Belt																			\$6,626.00
	Stoker Bin																			\$1,104.00
	Stoker Coal Storage																			\$6,755.00
	Stoker Oil Tanks																			\$1,539.00
	Storage Trailers																			\$1,256.00
	Substation Lower*																			\$72,822.00
	Substation Upper*																			\$0.00
	Ticket Printers																			\$69.00
	Tipple Building																			\$36,195.00
	Tipple MCC Building																			\$3,161.00
	Tipple Office Building																			\$2,759.00
	Transfer Building																			\$10,303.00
	Truck Loader Bin																			\$1,895.00
	Truck Scale																			\$36,352.00
	Water Tank Upper																			\$0.00
	Water Tank Lower																			\$0.00
	Link Canyon Facilities																			\$8,042.00
	Link Canyon Portals																			\$39,150.00
	Link Canyon Substation																			\$2,591.00
	Fourth East Facilities																			\$18,066.00
	Fan Generator Building																			
	Four East Fan																			
	Total																			\$1,049,517.00

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost
	Tipple Building																			
	Structure's Demolition Cost	Steel Bld. Large	02220 110 0012	0.2 /CF							105056							105056	CF	21011
	Structure's Vol. Demolished																0.2	778	CY	
	Rubble's Weight (exclude steel)																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Non Steel Truck																			
	Transportation Cost Non Steel Drive																			
	Disposal Cost Non Steel																			
	Steel's Weight																			
	Truck's Capacity																			
	Haulage																			
	Transportation Cost Steel Truck	Truck dump 16 ton payload	01580 200 5300	435.86 /day								16			3	CY			49	Trips
	Transportation Cost Steel Truck Drive	Truck Driver, Heavy	Triv	\$42.00 /HR															16.3	DAY
	Disposal Cost Steel																		130.4	HR
	Subtotal																			5477
	Equipment's Disposal Cost																			35594
	Disassembling Cost																			
	Equipment's Vol. Demolished																			
	Loading Costs																			
	Transport Costs																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost	Concrete demolition	ConcreteDemo1	3.97 /CY							128.5								129	CY
	Concrete's Vol. Demolished																		168	CY
	Loading Cost	Front end loader 3 CY	02315 424 1300	1.39 /CY														1.3	168	CY
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. rd.	02315 490 0320	3.44 /CY															168	CY
	Disposal Costs	On site disposal	02220 240 5550	7.6 /CY															168	CY
	Subtotal																			2501
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Concrete Demolition																			
	Demolition Cost																			
	Concrete's Vol. Demolished																			
	Loading Cost																			
	Transportation Cost																			
	Disposal Costs																			
	Subtotal																			
	Total																			36195

LUM
COAL
STORAGE

TRANSFER
BUILDING

STOKER BELT

NEW SUMP

LOADOUT BELT

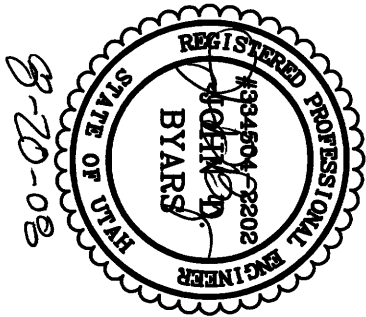
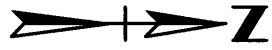
TIPPLE
BUILDING

SAMPLER
BUILDING

LOWER STACKER
COAL STORAGE

NOTES:

1. EXISTING DRAIN PIPE MUST BE REROUTED UNDER TROUGH OF NEW SUMP SO DRAIN PIPE CAN BE CONNECTED.



Canyon Fuel Company, LLC
SUFCO Mine
397 South 800 West - Salina, UT 84654
(435) 286-4480 Phone
(435) 286-4499 Fax

Tipple Sump

Location Exhibit

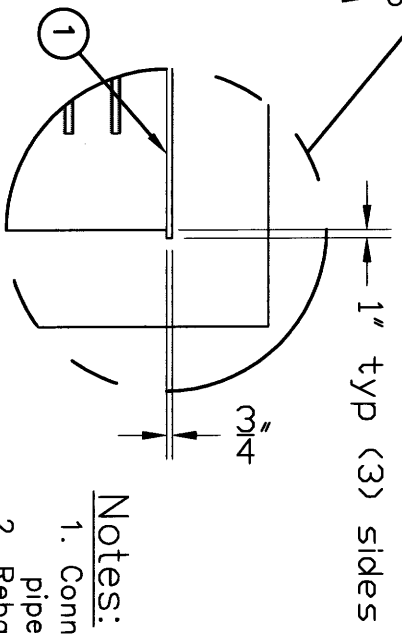
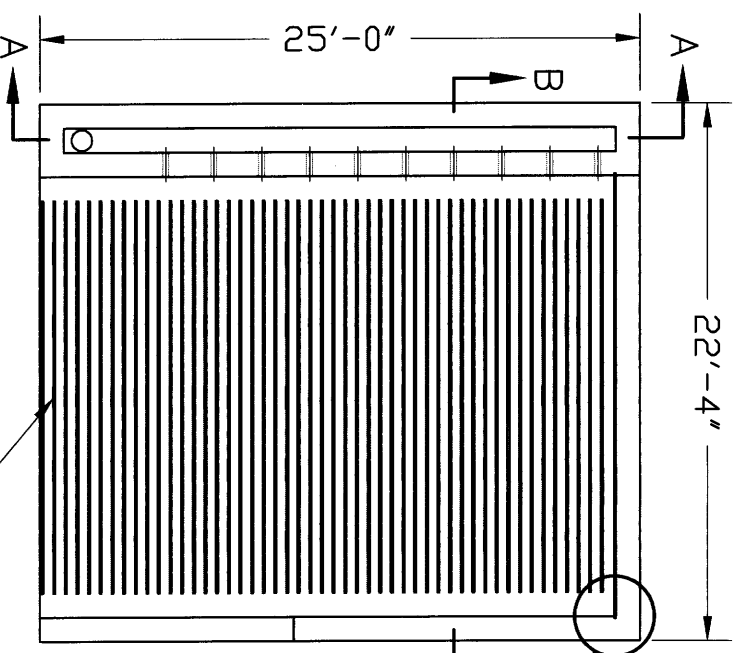
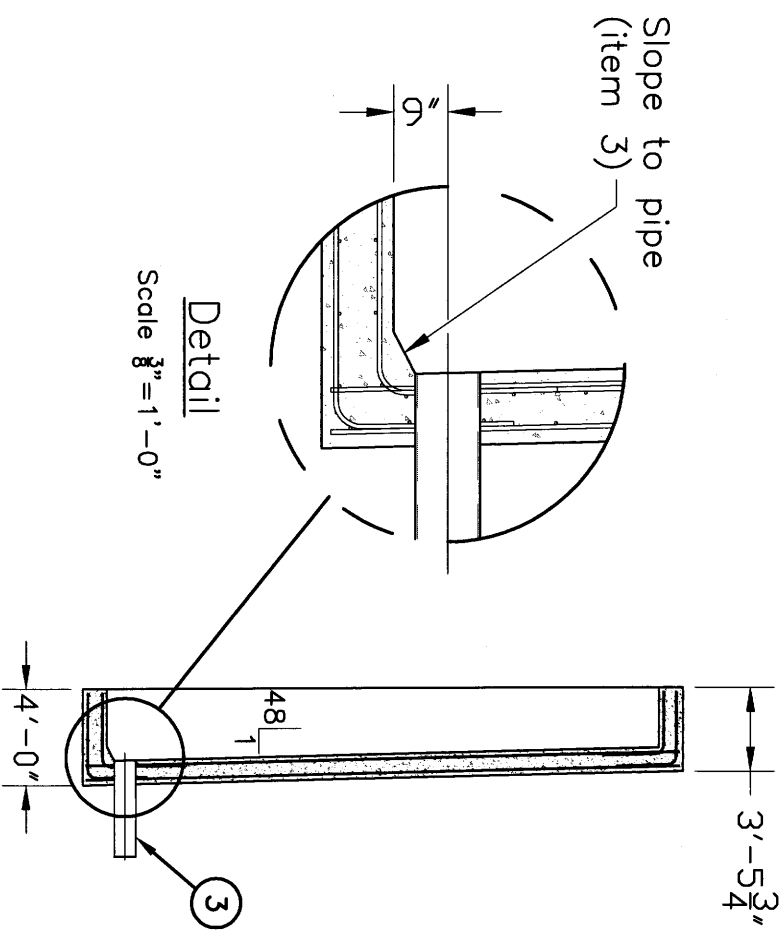
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FILE NAME: H:\DRAWINGS\TIPPLE\Sump\Tipple Sump.dwg				

REVISIONS

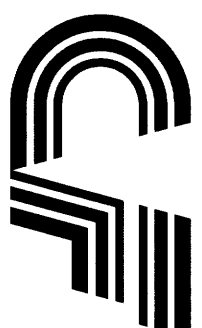
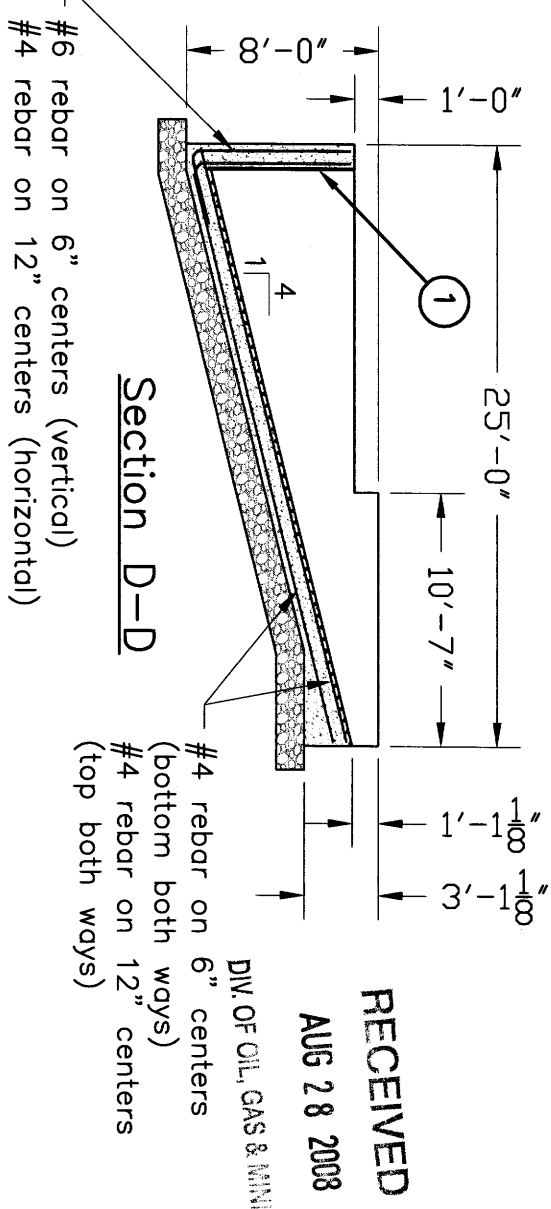
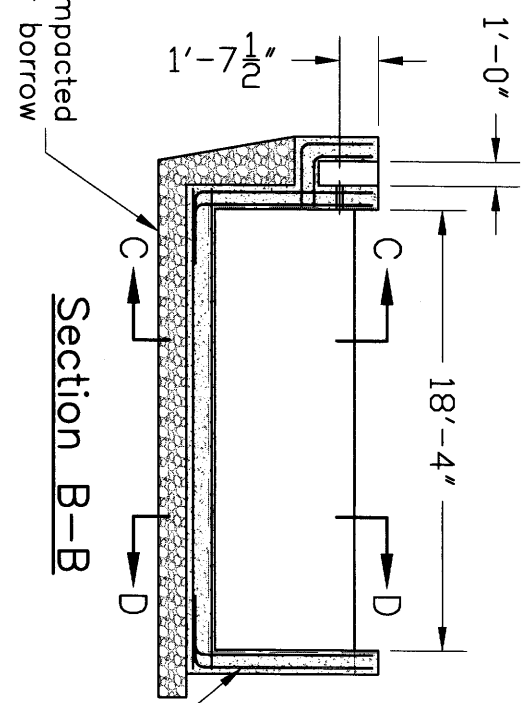
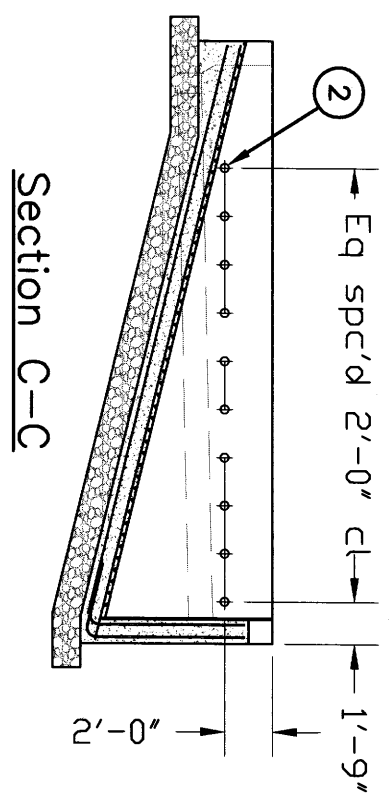
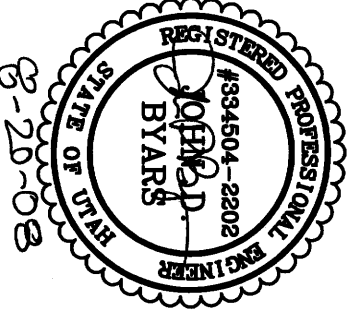
NO.	DATE	REQ. BY	DWG. BY	REMARKS

SHEET NO.

Bill of Materials				
Item	Qty.	Mat'l	Description	Weight
1	1	stl	Pl., $\frac{3}{4}$ " x 6'-0" x 18'-6"	3,393
2	10	pvc	Pipe, 4"sch 40 x 1'-0"	20
3	1	stl	Pipe, 10"sch 40 x 4'-0" (trim to length)	162



- Notes:
1. Connect 10" drain pipe to rerouted existing drain pipe by welding.
 2. Rebar to be 2" below surface of concrete and 3" above granular borrow unless noted.
 3. Concrete to be 1'-0" thick unless noted.



Canyon Fuel Company, LLC
SUFCO Mine
397 South 800 West - Salina, UT 84654
(435) 286-4480 Phone
(435) 286-4499 Fax

Tipple Sump				REVISIONS		REMARKS	SHEET NO.
Details				NO.	DATE	REQ. BY/DWG. BY	
SCALE: 1/8" = 1'-0"	DATE: July 2008	DRAWN BY: J.G.C.	ENGINEER: J.D.B.				20f2
FILE NAME: H:\DRAWINGS\TIPPLE\Sump\Tipple Sump.dwg			CHECKED BY: A.R.				